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DATE: Thursday, March 11, 2004

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- 1. 6221582. 07 Aug 97; 24 Apr 01. Polynucleic acid sequences for use in the detection and differentiation of prokaryotic organisms. Giesendorf; Belinda, et al. 435/6; 536/22.1. C12Q001/68 C07H021/02.
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Terms	Documents
L3 and pseudomonas	12

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L2: Entry 1 of 55

File: USPT

Dec 9, 2003

US-PAT-NO: 6660832

DOCUMENT-IDENTIFIER: US 6660832 B1

TITLE: Macrocyclic compounds and preparation methods thereof

DATE-ISSUED: December 9, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jefferson; Elizabeth	La Jolla	CA		
Swayze; Eric Edward	Carlsbad	CA		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
ISIS Pharmaceuticals, Inc.	Carlsbad	CA			02

APPL-NO: 09/ 378529 [PALM]

DATE FILED: August 20, 1999

INT-CL: [07] C07 K 7/50

US-CL-ISSUED: 530/317; 514/11, 514/19, 514/159

US-CL-CURRENT: 530/317

FIELD-OF-SEARCH: 530/454, 530/474, 530/450, 530/317, 514/183, 514/11, 514/19

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
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<u>5741462</u>	April 1998	Nova et al.	422/68.1
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ART-UNIT: 1653

PRIMARY-EXAMINER: Low; Christopher S. F.

ASSISTANT-EXAMINER: Lukton; David

ATTY-AGENT-FIRM: Woodcock Washburn LLP

ABSTRACT:

The present invention is directed to macrocyclic compounds of the formula (I)
##STR1##

wherein Q, X, R.₁ and R.₅ are as defined herein. Compounds of the invention are useful for therapeutic and prophylactic treatment of bacterial infection in mammals. Solid phase synthetic procedures are provided effecting synthesis of the macrocyclic rings attached to a solid support.

31 Claims, 7 Drawing figures